

## CADDISFLIES IN GENUS *RHYACOPHILA* IN WEST VIRGINIA (TRICHOPTERA: RHYACOPHILIDAE)<sup>1</sup>

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**ABSTRACT:** State and county records are presented for 13 species of the family Rhyacophilidae for West Virginia. Nine are previously unpublished species records for the state.

**DESCRIPTORS:** Larval caddisfly, Trichoptera, *Rhyacophila*, State and County Records

Until the present time, only four *Rhyacophila* species have been recorded from West Virginia: *R. fuscula*, *R. torva*, *R. minor*, and *R. nigrita* (Ross, 1944 and Roback, 1975). As part of the overall investigation of aquatic insects in West Virginia, a total of 603 collection sites were visited of which 49 were found to have larval *Rhyacophila* populations. Nine state records are reported. Flint (1962) described the larvae of the genus *Rhyacophila* in eastern North America.

### Family Rhyacophilidae

New state records are marked with an asterisk.

1. *R. fuscula* (Walker)

**Distribution:** Fayette Co., Sewell Creek, 2 larvae, 26-VIII-73; Laurel Creek, 1 larva, 19-VII-73; Keeney's Creek, 1 larva, 8-IX-73; Manns Creek, 1 larva, 8-IX-73. Greenbrier Co., South Fork of Cherry River, 1 larva, 26-V-70. Lewis Co., Cherry Fork, 1 larva, 10-VII-75. Nicholas Co., Twentymile Creek, 1 larva, 16-IX-72; Cherry River, 2 larvae, 11-II-72; Panther Creek. Pendleton Co., Seneca Creek, 30-IV-74 (Ross, 1944); Smoke Hole. Pocahontas Co., Tea Creek, 4 larvae, 10-VII-75; Hills Creek, 1 larva, 8-VII-75. Randolph Co., Tygart Valley River. Tucker Co., Lead Mine Run; Engine Run in Blackwater Falls State Park (Roback, 1975). Webster Co., Left Fork of Holly River.

2. *R. vuphipes* Milne\*

**Distribution:** Hampshire Co., Cacapon River (United States National Museum), 13-V-63.

3. *R. torva* Hagen

**Distribution:** Fayette Co., Short Creek, 1 larva, 18-VII-73. Tucker Co., Engine Run in Blackwater Falls State Park (Roback, 1975).

4. *R. lobifera* Betten\*

**Distribution:** Jackson Co., Left Fork of Pocatalico River, 3 larvae, 24-II-73.

5. *R. glaberrima* Ulmer\*

**Distribution:** Randolph Co., Laurel Fork River, 1 larva, 26-IV-74.

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*R. minora* group6. *R. minora* Banks

**Distribution:** Hardy Co., Trout Run, 8 larvae, 6-VII-74. Pendleton Co., Spruce Knob (United States National Museum), 16-V-63. Randolph Co., Otter Creek, 14-VIII-69; Grants Branch near Spruce Knob Lake (United States National Museum), 17-V-63. Tucker Co., Engine Run in Blackwater Falls State Park (Roback, 1975).

7. *R. melita* Ross\*

**Distribution:** Randolph Co., Gandy Creek (United States National Museum), 17-V-63.

*R. invaria* group8. *R. vibox* Milne\*

**Distribution:** Cabell Co., Fourpole Creek. Logan Co., Trace Fork, 1 larva, 17-II-73. Randolph Co., Glady Fork, 2 larvae, 26-IV-74. Wayne Co., Miller Fork, 1 larva, 29-I-74.

9. *R. invaria* (Walker)\*

**Distribution:** Pocahontas Co., Tea Creek, 3 larvae, 30-VII-70. Randolph Co., Shavers Fork, 1 larvae, 21-X-70; Laurel Fork Run, 1 larva, 26-IV-74.

10. *R. nigrita* Banks

**Distribution:** Grant Co., North Branch Potomac River (Roback, 1975). Pendleton Co., Big Run, 6 larvae, 9-XII-70. Pocahontas Co., Williams River, 3 larvae, 11-VIII-71. Randolph Co., Shavers Fork, 1 larva, 21-X-70; Otter Creek, 1 larva, 14-VIII-69. Webster Co., Williams River, 1 larva, 10-VIII-71.

11. *R. species 2* of Flint\*

**Distribution:** Pocahontas Co., Shavers Fork below Bannock bridge, 1 larva, 21-X-70. Randolph Co., Shavers Fork at Spruce, 1 larva, 21-X-70.

*R. carolina* group12. *R. ledra* Ross\*

**Distribution:** Wayne Co., Beech Fork of Twelvepole Creek, 1 larva, 29-I-74.

13. *R. carolina* Banks\*

**Distribution:** Fayette Co., Hendricks Creek, 1 larva, 19-VIII-73. Hardy Co., Trout Run, 2 larvae, 6-VII-74. Kanawha Co., Ash Branch, 1 larva, 21-VII-73. Tucker Co., Blackwater River, 3 larvae, 13-VII-72.

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